LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112923\
Data File : BF136302.D
Acq On : 30 Nov 2023 01:06
Operator : CG\JU
Sample : 05312-02 5X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DUP-03

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112723.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF136302.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.428	565	568	582	rVB	377787	314184	11.58%	1.029%
2	6.428	735	738	746	rBV	374751	316392	11.66%	1.036%
3	6.804	798	802	805	rBV	740595	570352	21.02%	1.868%
4	7.063	842	846	854	rBV	57775	53226	1.96%	0.174%
5	7.357	889	896	901	rBV	234100	191714	7.07%	0.628%
6	8.081	1014	1019	1021	rBV	816845	814618	30.03%	2.668%
7	8.104	1021	1023	1026	rVV	2667868	2051830	75.63%	6.720%
8	8.151	1026	1031	1038	rVB	76339	80634	2.97%	0.264%
9	8.792	1137	1140	1144	rVB	382984	294439	10.85%	0.964%
10	8.892	1152	1157	1160	rVB	241208	177206	6.53%	0.580%
11	9.157	1198	1202	1205	rBV	487391	357281	13.17%	1.170%
12	9.257	1217	1219	1222	rVB	116570	85256	3.14%	0.279%
13	9.422	1242	1247	1251	rBV	55313	84204	3.10%	0.276%
14	9.492	1254	1259	1262	rVV	83538	90732	3.34%	0.297%
15	9.522	1262	1264	1267	rVV	66190	53751	1.98%	0.176%
16	9.563	1267	1271	1273	rVV	52267	50878	1.88%	0.167%
17	9.610	1277	1279	1284	rVB2	32781	40865	1.51%	0.134%
18	9.698	1290	1294	1299	rVB	385386	290872	10.72%	0.953%
19	9.775	1304	1307	1311	rVB	120004	88262	3.25%	0.289%
20	9.839	1311	1318	1321	rBV	777884	695897	25.65%	2.279%
21	9.869	1321	1323	1327	rVB	100001	88096	3.25%	0.289%
22	10.045	1349	1353	1356	rBV	349400	319233	11.77%	1.046%
23	10.275	1389	1392	1395	rBV	179406	136388	5.03%	0.447%
24	10.386	1408	1411	1416	rVB	647293	507585	18.71%	1.662%
25	10.498	1426	1430	1433	rVB	99777	92837	3.42%	0.304%
26	10.545	1435	1438	1441	rVB	98224	75905	2.80%	0.249%
27	10.628	1447	1452	1456	rBV3	196233	237984	8.77%	0.779%
28	10.751	1470	1473	1481	rBV	297377	369684	13.63%	1.211%
29	10.939	1501	1505	1507	rBV2	75966	87786	3.24%	0.288%
30	11.022	1515	1519	1521	rBV2	29761	32876	1.21%	0.108%
31	11.069	1524	1527	1529	rVV2	28963	38612	1.42%	0.126%
32	11.092	1529	1531	1535	rVV	46501	44490	1.64%	0.146%
33	11.133	1535	1538	1541	rVV2	36631	32202	1.19%	0.105%
34	11.204	1547	1550	1552	rBV	298133	230185	8.49%	0.754%
35	11.228	1552	1554	1561	rVB2	230379	248752	9.17%	0.815%
36	11.333	1568	1572	1573	rBV	708390	662897	24.44%	2.171%

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Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DUP-03

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112723.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	11.357	1573	1576	1579	rVV	2993540	2392374	88.19%	7.836%
38	11.404	1581	1584	1588	rVV	664087	557659	20.56%	1.826%
39	11.439	1588	1590	1594	rVB5	44902	50652	1.87%	0.166%
40	11.480	1594	1597	1600	rBV3	34255	47014	1.73%	0.154%
41	11.516	1600	1603	1605	rVB3	40784	38710	1.43%	0.127%
42	11.563	1605	1611	1613	rBV	187602	189582	6.99%	0.621%
43	11.586	1613	1615	1619	rVV	66837	64323	2.37%	0.211%
44	11.633	1619	1623	1626	rVV	393120	328428	12.11%	1.076%
45	11.663	1626	1628	1634	rVB5	32844	55891	2.06%	0.183%
46	11.798	1647	1651	1652	rBV4	38739	43098	1.59%	0.141%
47	11.833	1654	1657	1659	rVV	214036	183720	6.77%	0.602%
48	11.863	1659	1662	1665	rVV	299028	246488	9.09%	0.807%
49	11.910	1665	1670	1672	rVV2	98102	101329	3.74%	0.332%
50	11.945	1673	1676	1679	rVV	540736	533993	19.68%	1.749%
51	11.969	1679	1680	1684	rVB2	140559	99876	3.68%	0.327%
52	12.016	1685	1688	1690	rBV3	37650	35263	1.30%	0.115%
53	12.045	1690	1693	1695	rBV	299352	252657	9.31%	0.828%
54	12.133	1705	1708	1710	rBV	177010	141758	5.23%	0.464%
55	12.151	1710	1711	1715	rVB2	45598	43821	1.62%	0.144%
56	12.327	1736	1741	1745	rBV2	67844	110040	4.06%	0.360%
57	12.386	1749	1751	1754	rVV2	95735	93258	3.44%	0.305%
58	12.433	1754	1759	1763	rVV3	258137	268954	9.91%	0.881%
59	12.475	1763	1766	1770	rVV3	50860	70616	2.60%	0.231%
60	12.557	1775	1780	1783	rBV	2998483	2712842	100.00%	8.885%
61	12.645	1792	1795	1798	rVB	288915	227286	8.38%	0.744%
62	12.675	1798	1800	1802	rBV2	36681	43783	1.61%	0.143%
63	12.704	1802	1805	1810	rVB3	60151	85927	3.17%	0.281%
64	12.780	1810	1818	1821	rBV2	2225430	2400845	88.50%	7.863%
65	12.810	1821	1823	1825	rVB	112693	80123	2.95%	0.262%
66	12.898	1835	1838	1840	rBV	139414	132735	4.89%	0.435%
67	12.927	1840	1843	1850	rVB2	552646	596865	22.00%	1.955%
68	13.004	1850	1856	1858	rBV2	117619	189476	6.98%	0.621%
69	13.086	1867	1870	1871	rBV2	65402	64033	2.36%	0.210%
70	13.110	1871	1874	1877	rVB	412932	365743	13.48%	1.198%
71	13.174	1881	1885	1888	rBV2	402154	406027	14.97%	1.330%
72	13.210	1888	1891	1896	rBV2	166376	180828	6.67%	0.592%
73	13.304	1905	1907	1910	rVB	83305	66767	2.46%	0.219%
74	13.339	1910	1913	1917	rBV2	80699	73551	2.71%	0.241%
75	13.516	1940	1943	1945	rBV	111115	98577	3.63%	0.323%
76	13.598	1954	1957	1958	rBV2	44673	46747	1.72%	0.153%

LSC Area Percent Report

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Misc :
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Instrument :
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ClientSampleId :
DUP-03

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

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Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112723.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

77	13.733	1977	1980	1982	rBV	80932	73776	2.72%	0.242%
78	13.763	1982	1985	1987	rBV	148049	130618	4.81%	0.428%
79	13.780	1987	1988	1993	rVB2	113443	113505	4.18%	0.372%
80	13.951	2015	2017	2018	rBV	68594	55821	2.06%	0.183%
81	13.980	2018	2022	2025	rVV2	1341956	1853952	68.34%	6.072%
82	14.010	2025	2027	2030	rVB	765214	635517	23.43%	2.082%
83	14.092	2038	2041	2043	rVB	60424	51333	1.89%	0.168%
84	14.127	2044	2047	2049	rBV	82630	65781	2.42%	0.215%
85	14.163	2051	2053	2057	rVB3	69894	77760	2.87%	0.255%
86	14.198	2057	2059	2060	rBV	47319	36955	1.36%	0.121%
87	14.374	2087	2089	2092	rVB2	122460	94064	3.47%	0.308%
88	14.469	2102	2105	2108	rBV2	142540	144942	5.34%	0.475%
89	14.498	2108	2110	2112	rVV2	106224	106206	3.91%	0.348%
90	14.521	2112	2114	2118	rVB2	115474	105349	3.88%	0.345%
91	14.627	2130	2132	2138	rVB4	62002	62213	2.29%	0.204%
92	15.033	2197	2201	2204	rBV	585910	863347	31.82%	2.828%
93	15.145	2216	2220	2224	rVB	154001	192360	7.09%	0.630%
94	15.345	2250	2254	2260	rVB	305965	406328	14.98%	1.331%
95	15.404	2260	2264	2270	rVB	496739	596877	22.00%	1.955%
96	15.468	2271	2275	2278	rVV	380773	461758	17.02%	1.512%
97	15.504	2278	2281	2288	rVB	137994	221589	8.17%	0.726%
98	16.968	2525	2530	2539	rVB2	164697	347947	12.83%	1.140%
99	17.427	2603	2608	2615	rVB	110074	203902	7.52%	0.668%

Sum of corrected areas: 30531664

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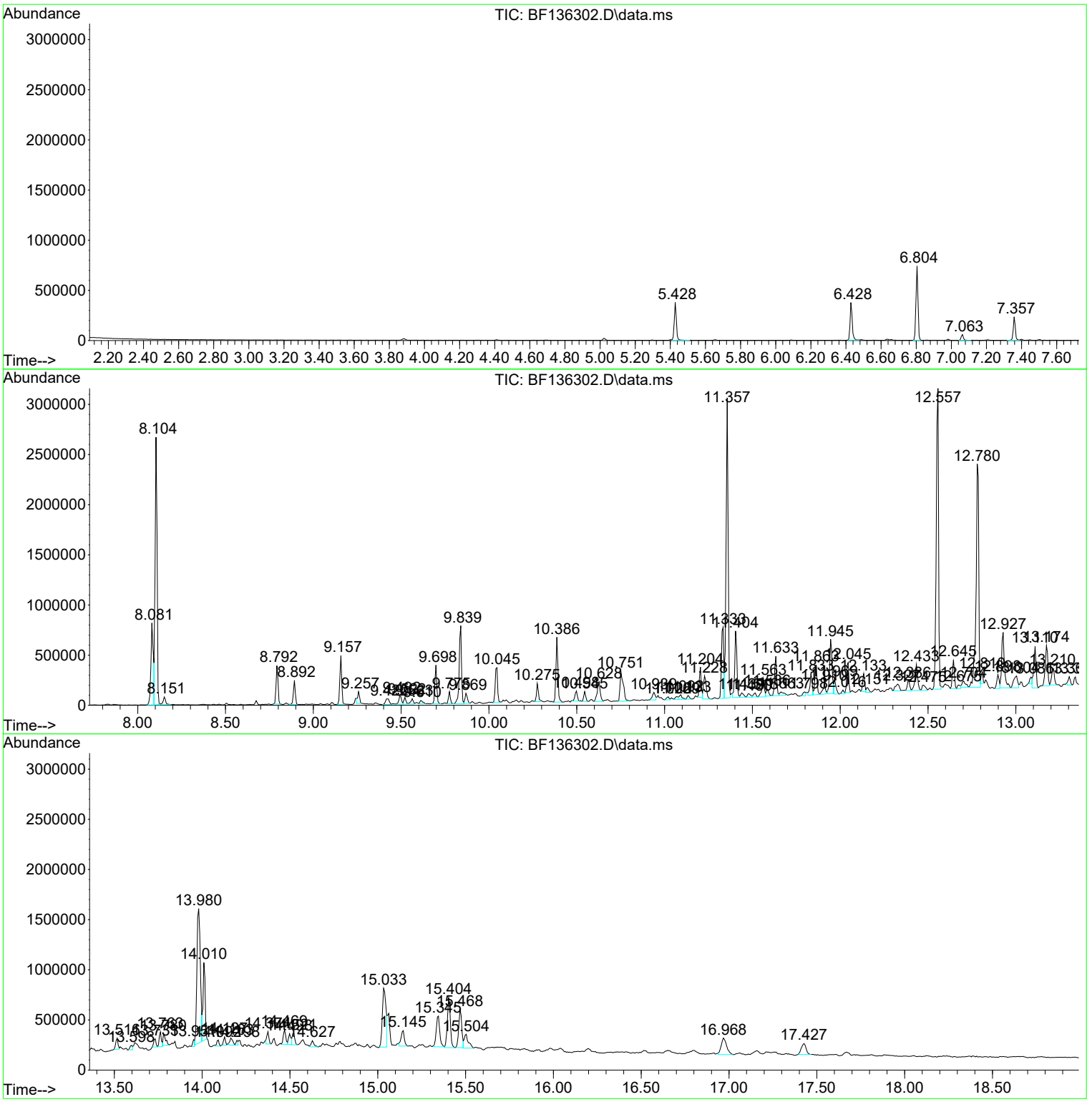
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DUP-03

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112923\
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112723.M
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TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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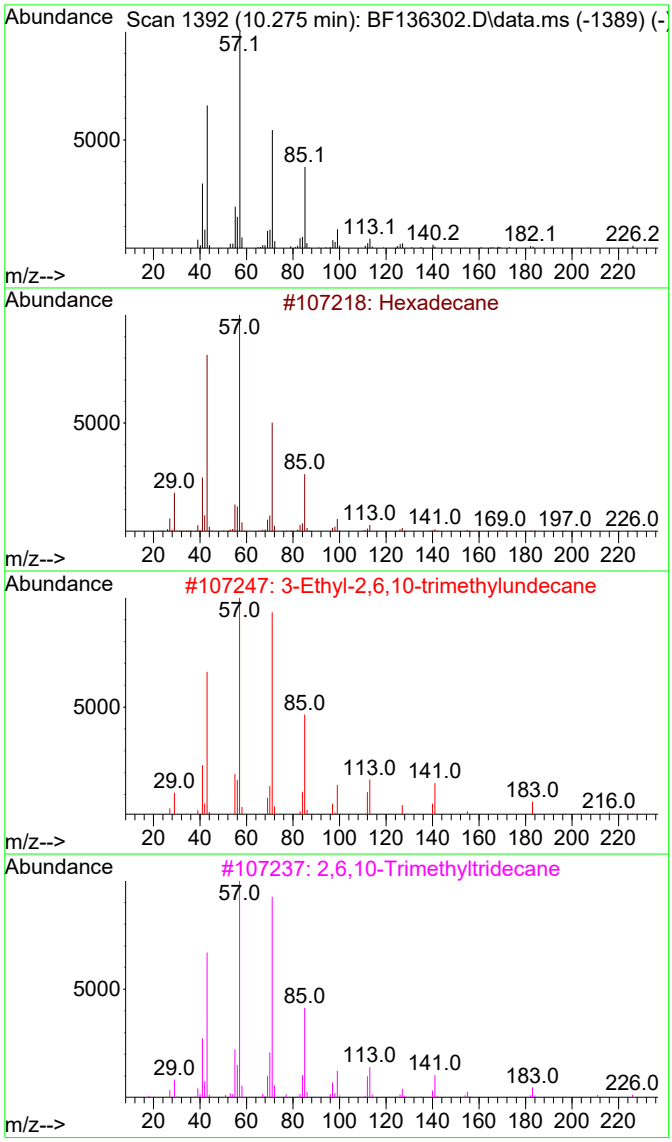
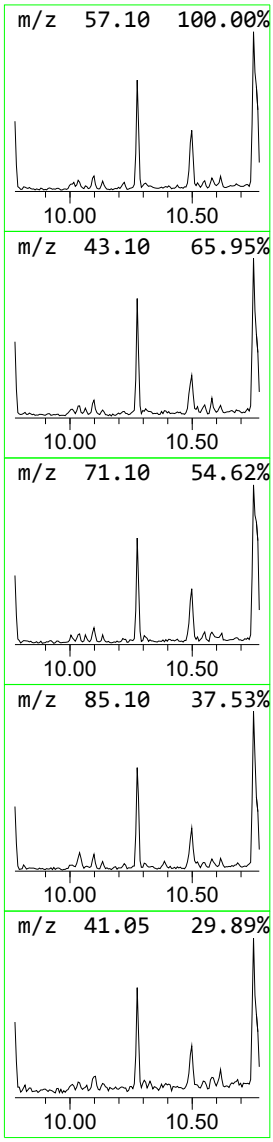
Peak Number 1 Hexadecane Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.275	3.92 ng	136388	Acenaphthene-d10	9.839

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane	226	C16H34	000544-76-3	97
2	3-Ethyl-2,6,10-trimethylundecane	226	C16H34	1000432-25-9	90
3	2,6,10-Trimethyltridecane	226	C16H34	003891-99-4	83
4	Tridecane, 6-methyl-	198	C14H30	013287-21-3	78
5	Heptacosane	380	C27H56	000593-49-7	72





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112923\
Data File : BF136302.D
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ALS Vial : 21 Sample Multiplier: 1

Instrument :
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DUP-03

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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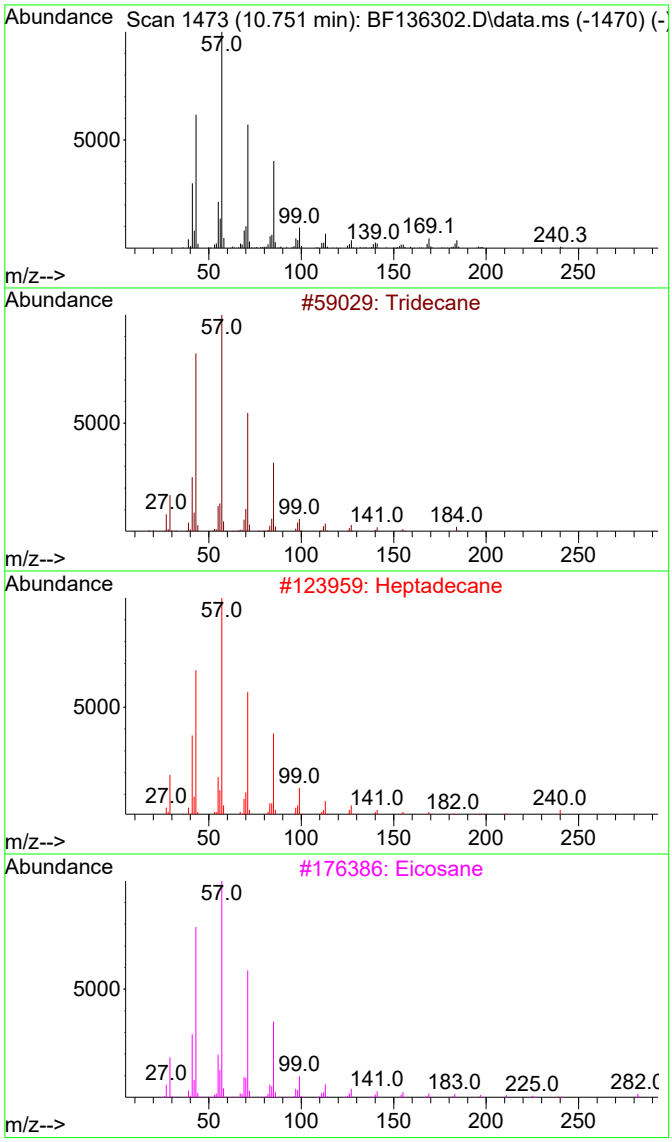
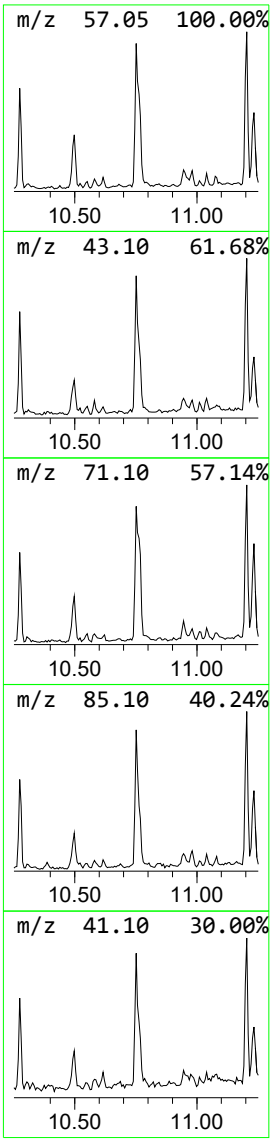
Peak Number 2 Tridecane Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.751	11.15 ng	369684	Phenanthrene-d10	11.333

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane	184	C13H28	000629-50-5	94
2	Heptadecane	240	C17H36	000629-78-7	93
3	Eicosane	282	C20H42	000112-95-8	87
4	Nonadecane	268	C19H40	000629-92-5	87
5	Heneicosane	296	C21H44	000629-94-7	86





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ClientSampleId :
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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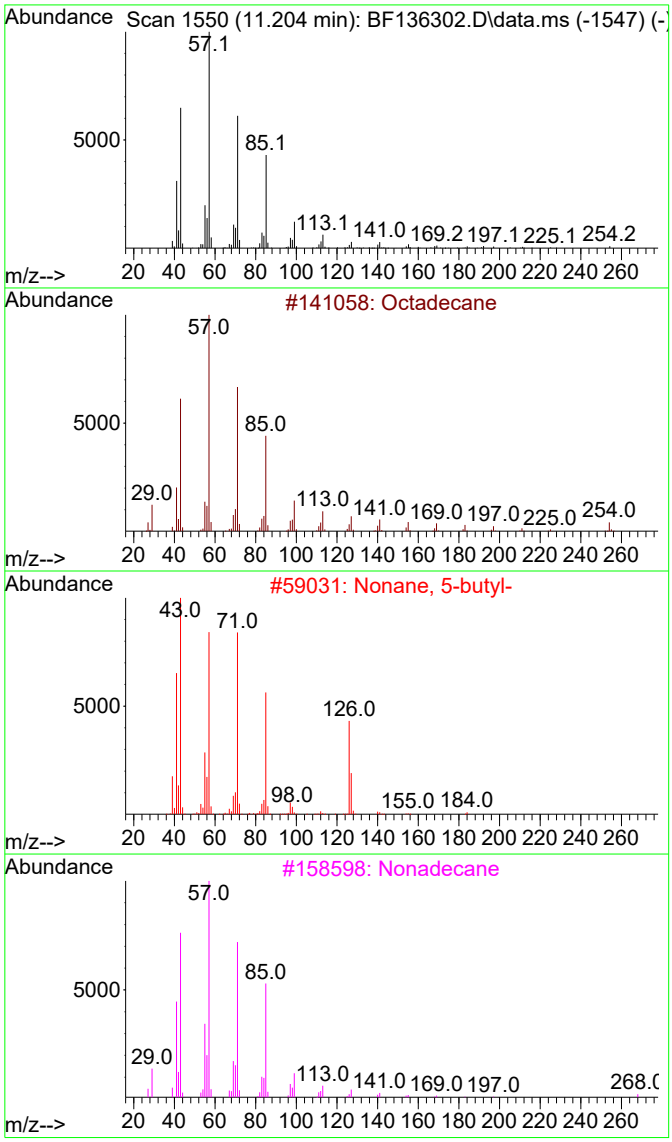
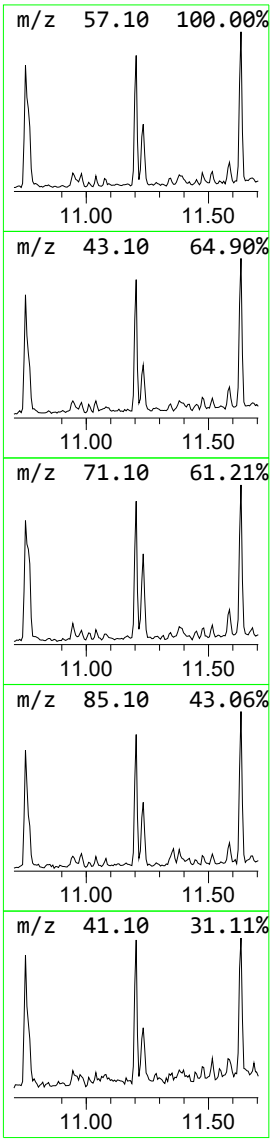
Peak Number 3 Octadecane Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.204	6.94 ng	230185	Phenanthrene-d10	11.333

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecane	254	C18H38	000593-45-3	94
2	Nonane, 5-butyl-	184	C13H28	017312-63-9	90
3	Nonadecane	268	C19H40	000629-92-5	90
4	Eicosane, 10-methyl-	296	C21H44	054833-23-7	90
5	Heptadecane	240	C17H36	000629-78-7	90





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TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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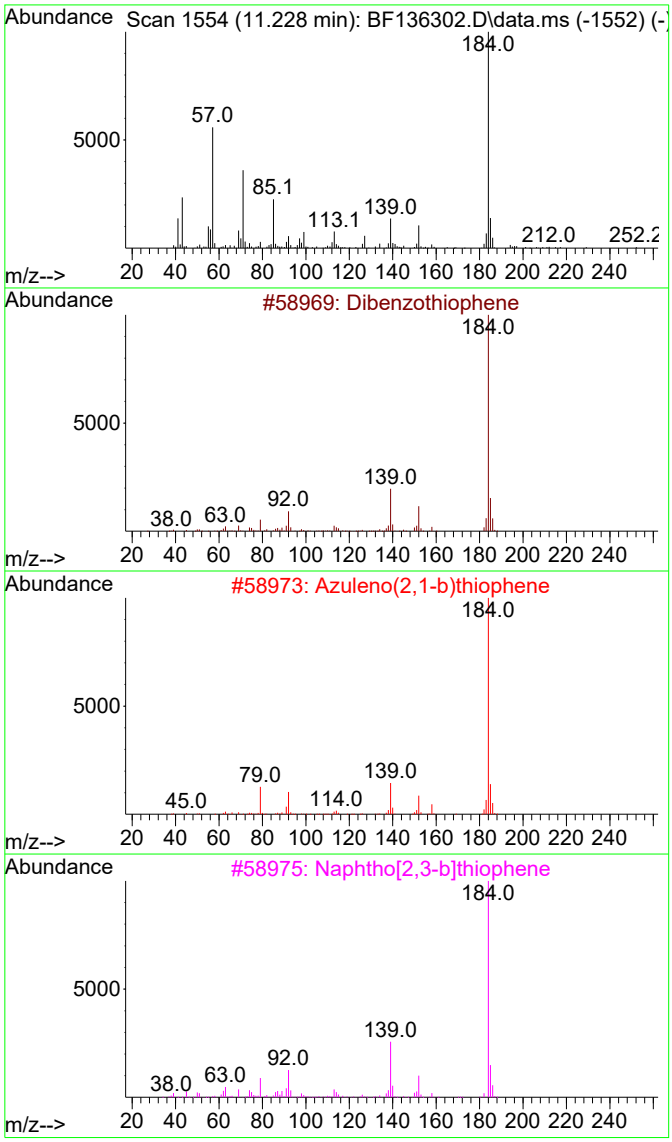
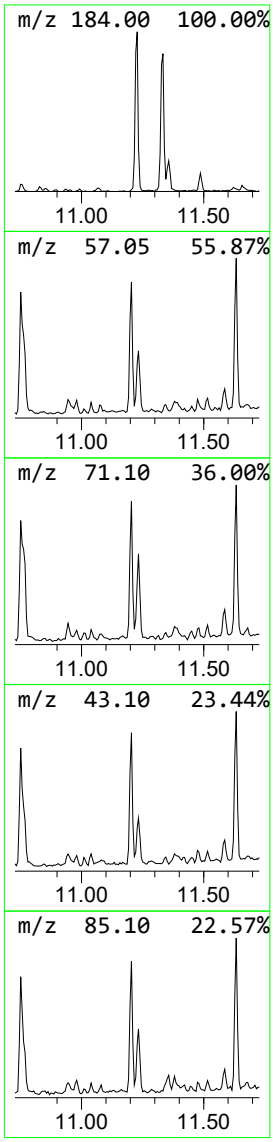
Peak Number 4 Dibenzothiophene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.227	7.50 ng	248752	Phenanthrene-d10	11.333

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	86
2	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	70
3	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	64
4	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	64
5	Thianthrene, 5-oxide	232	C12H8OS2	002362-50-7	53





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Sample : 05312-02 5X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DUP-03

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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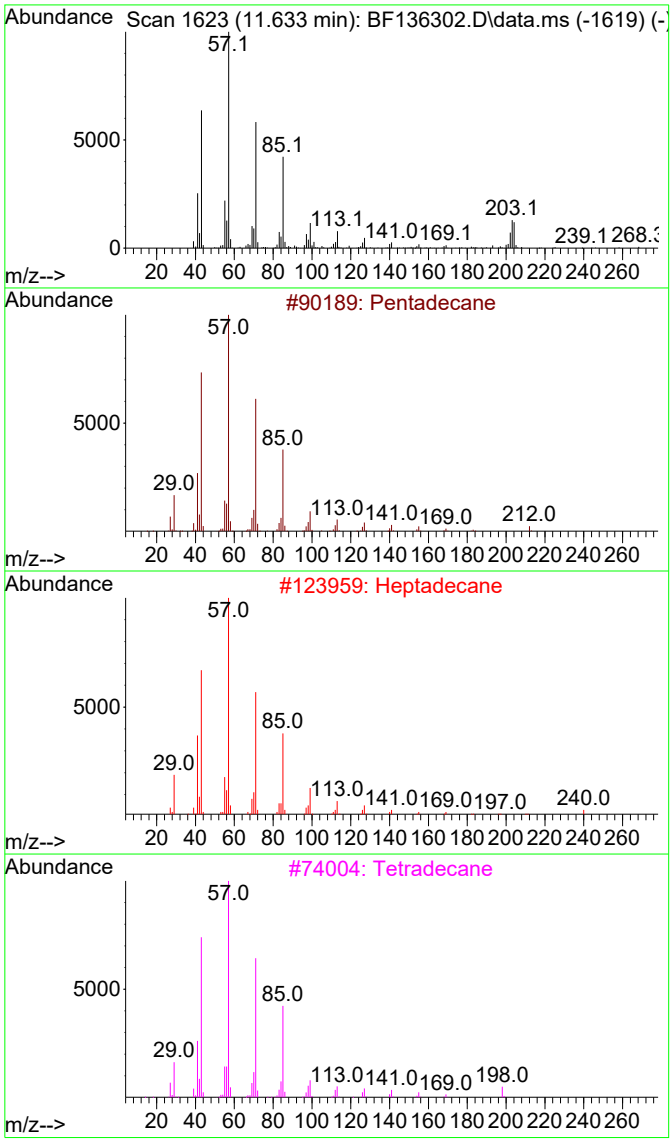
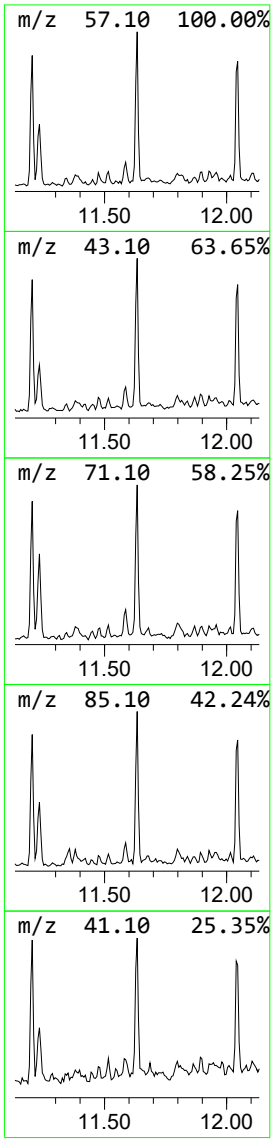
Peak Number 5 Pentadecane Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.633	9.91 ng	328428	Phenanthrene-d10	11.333

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentadecane	212	C15H32	000629-62-9	74
2	Heptadecane	240	C17H36	000629-78-7	74
3	Tetradecane	198	C14H30	000629-59-4	74
4	Nonadecane	268	C19H40	000629-92-5	74
5	Tridecane, 2-methyl-	198	C14H30	001560-96-9	74





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Data File : BF136302.D
Acq On : 30 Nov 2023 01:06
Operator : CG\JU
Sample : 05312-02 5X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DUP-03

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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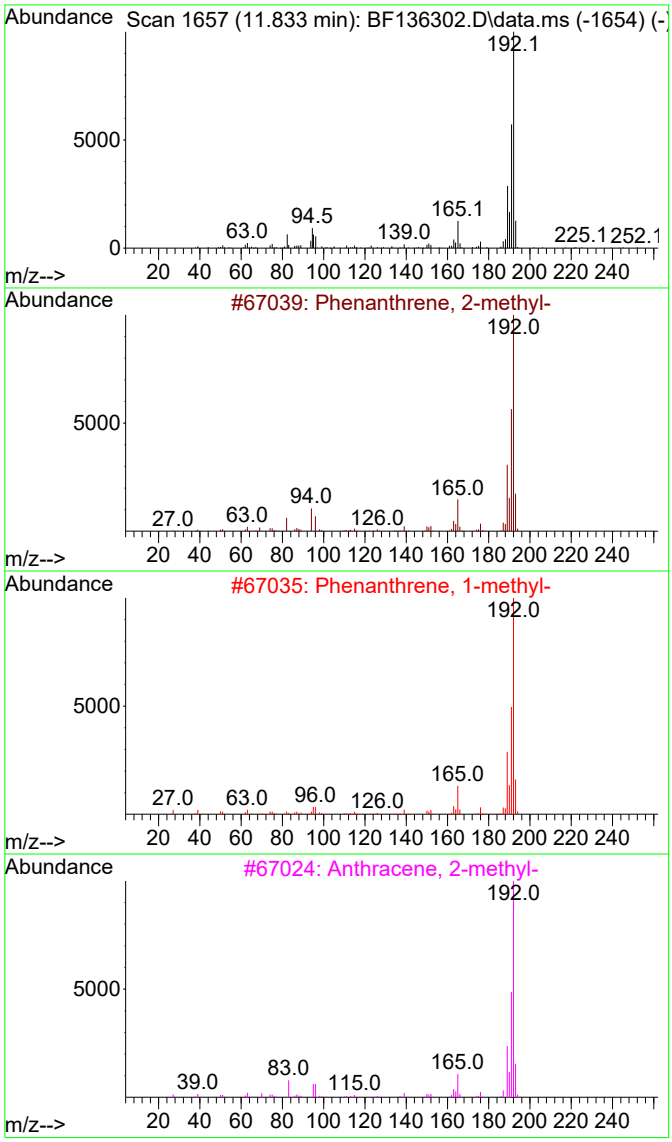
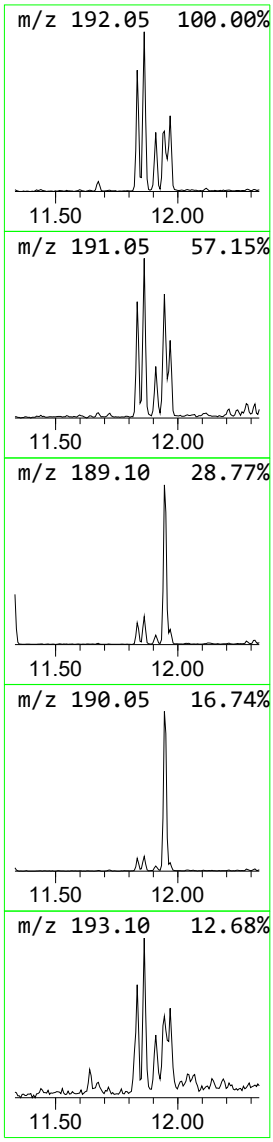
Peak Number 6 Phenanthrene, 2-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.833	5.54 ng	183720	Phenanthrene-d10	11.333

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	90
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	90
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	89
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	87





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Operator : CG\JU
Sample : 05312-02 5X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DUP-03

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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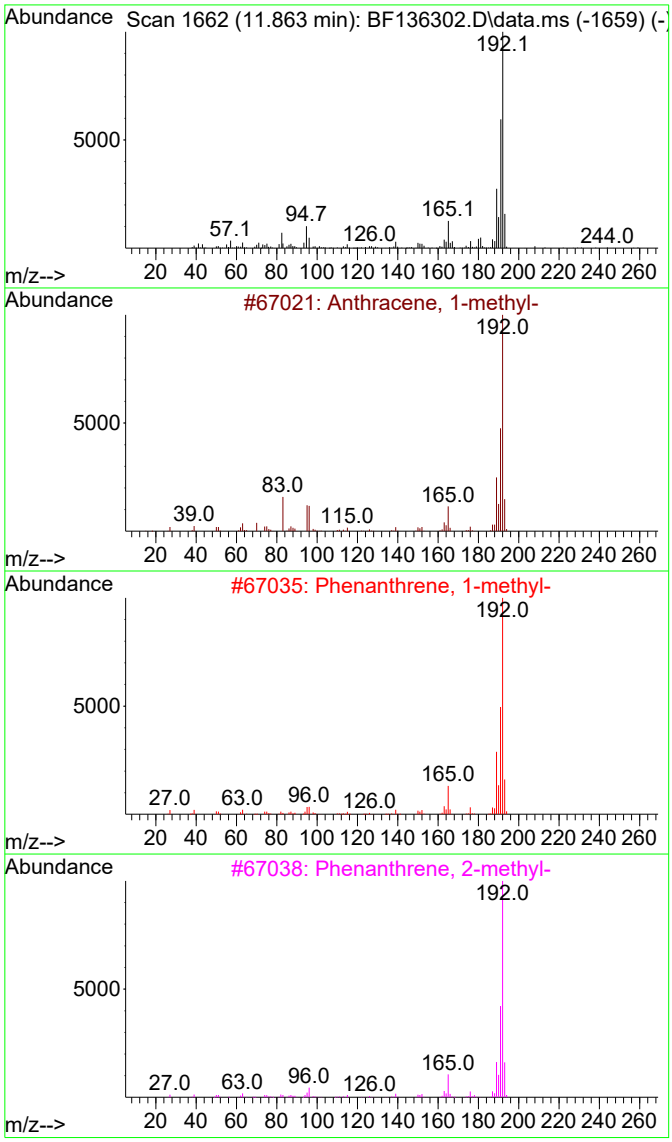
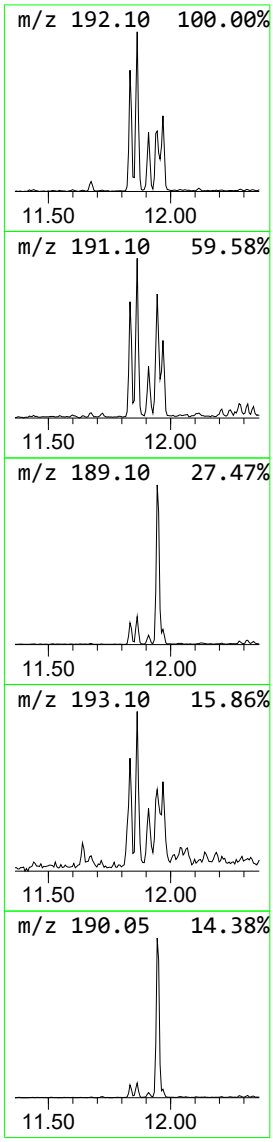
Peak Number 7 Anthracene, 1-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.863	7.44 ng	246488	Phenanthrene-d10	11.333

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1-methyl-	192	C15H12	000610-48-0	93
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91





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Acq On : 30 Nov 2023 01:06
Operator : CG\JU
Sample : 05312-02 5X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DUP-03

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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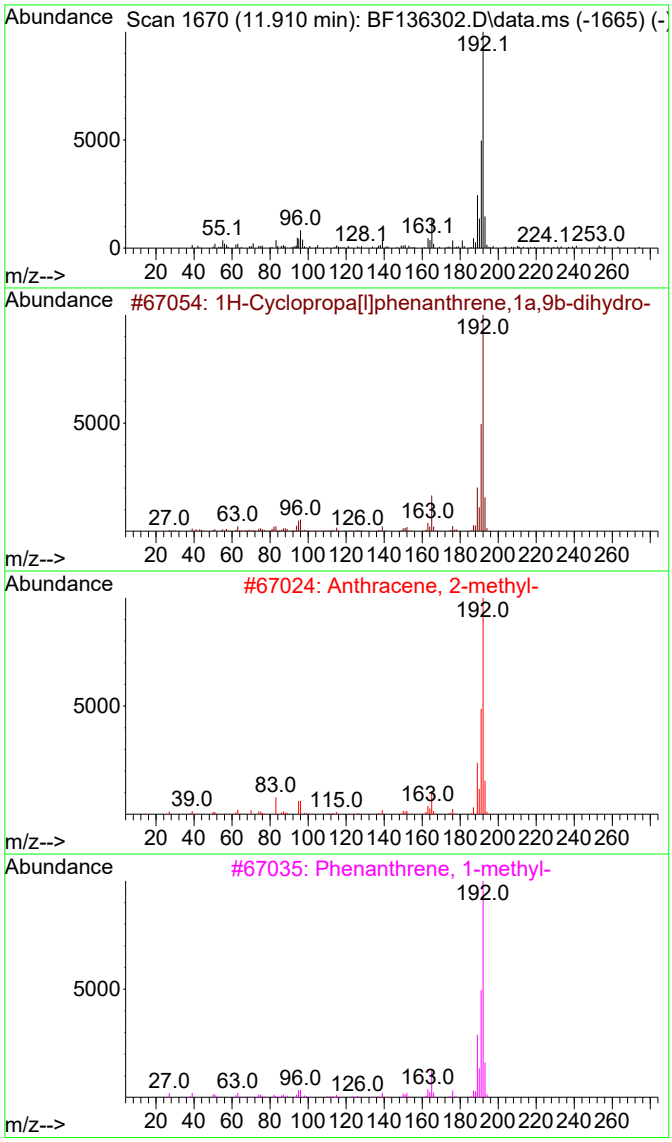
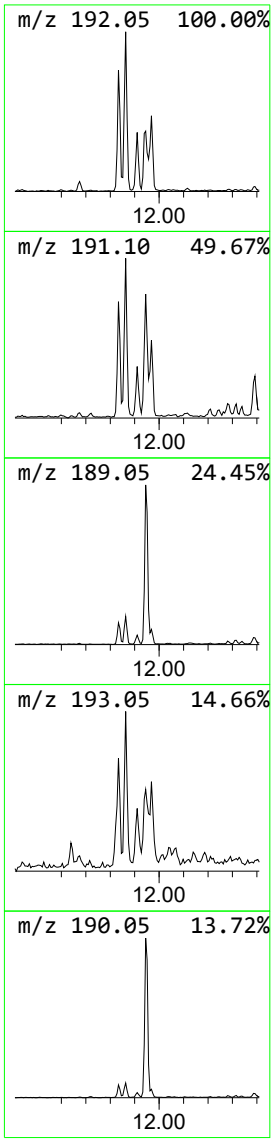
Peak Number 8 1H-Cyclopropa[l]phenanthren... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.910	3.06 ng	101329	Phenanthrene-d10	11.333

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	96
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	95





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Acq On : 30 Nov 2023 01:06
Operator : CG\JU
Sample : 05312-02 5X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DUP-03

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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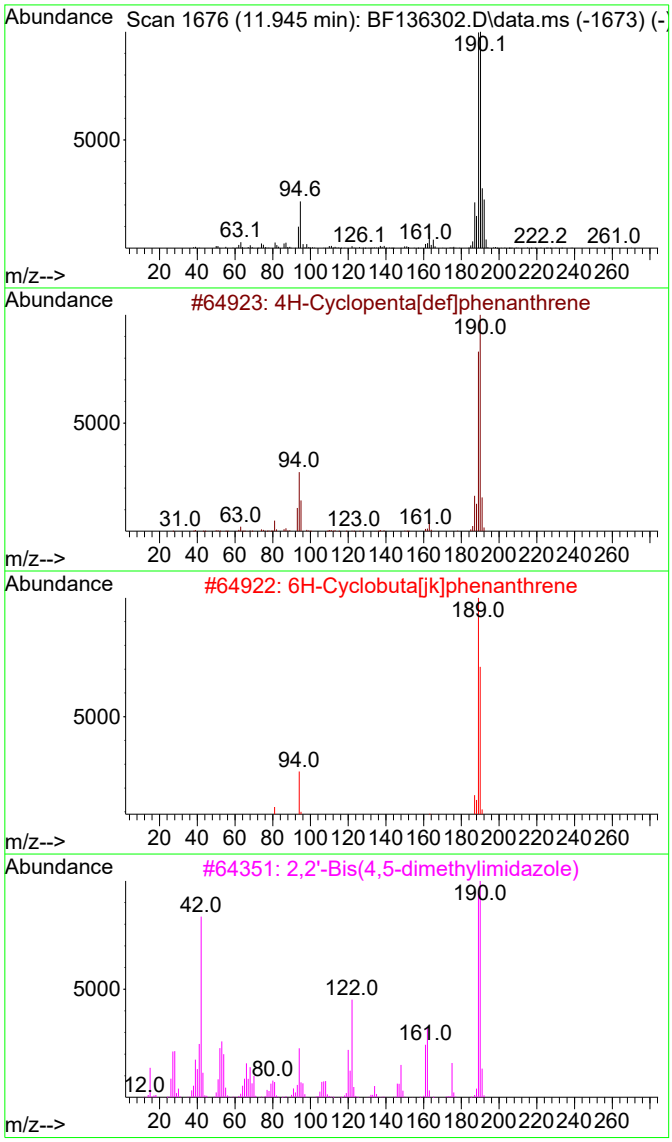
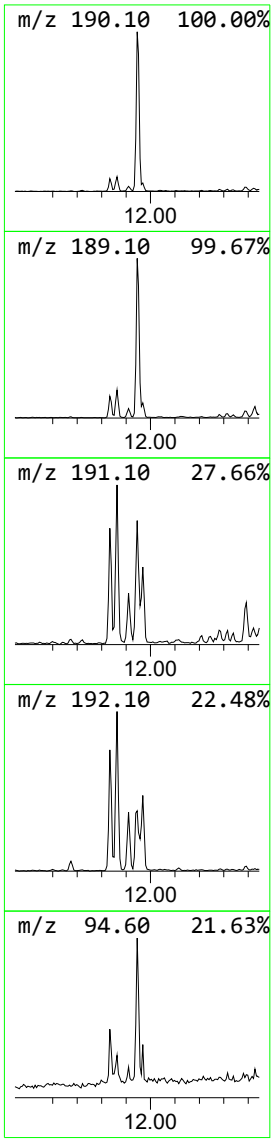
Peak Number 9 4H-Cyclopenta[def]phenanthrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.945	16.11 ng	533993	Phenanthrene-d10	11.333

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	76
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	64
3	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	45
4	Methyl diselenide	190	C2H6Se2	007101-31-7	43
5	Cyclohexanone, 2-(2-furanylmethy...	190	C12H14O2	056053-07-7	22





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Sample : 05312-02 5X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DUP-03

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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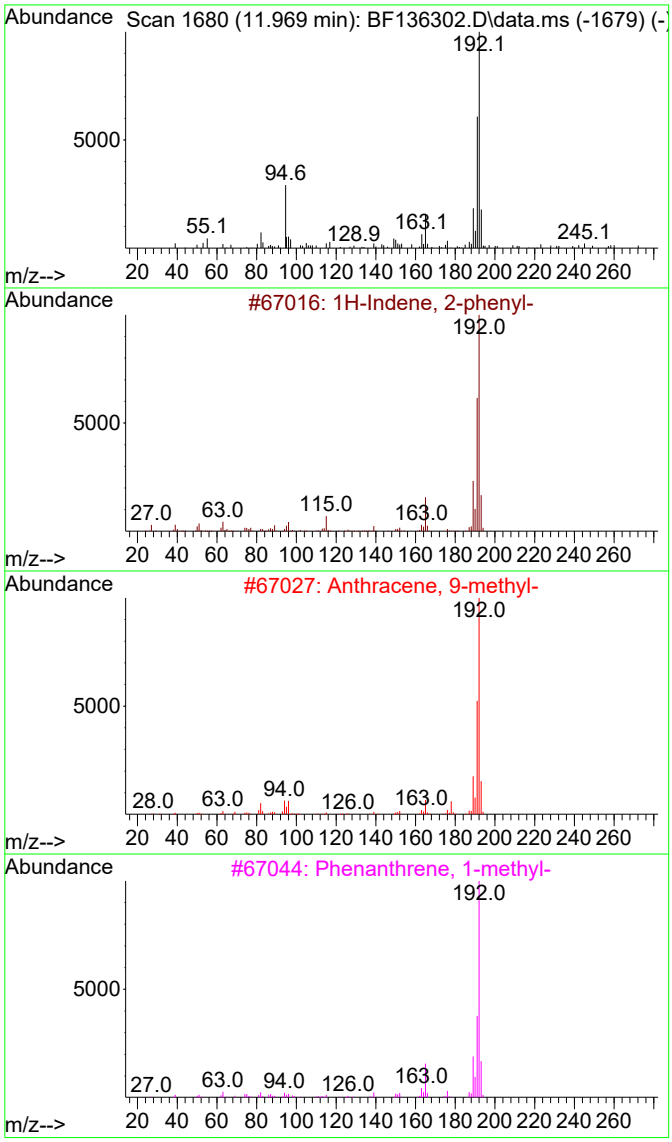
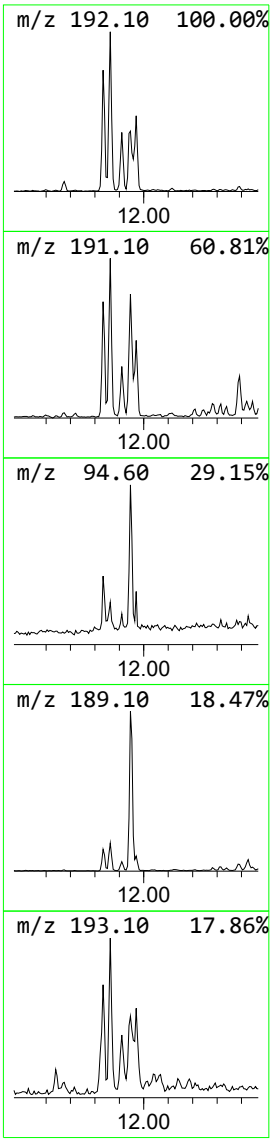
Peak Number 10 1H-Indene, 2-phenyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.969	3.01 ng	99876	Phenanthrene-d10	11.333

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	94
2	Anthracene, 9-methyl-	192	C15H12	000779-02-2	93
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	92
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	91
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	91





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Acq On : 30 Nov 2023 01:06
Operator : CG\JU
Sample : 05312-02 5X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DUP-03

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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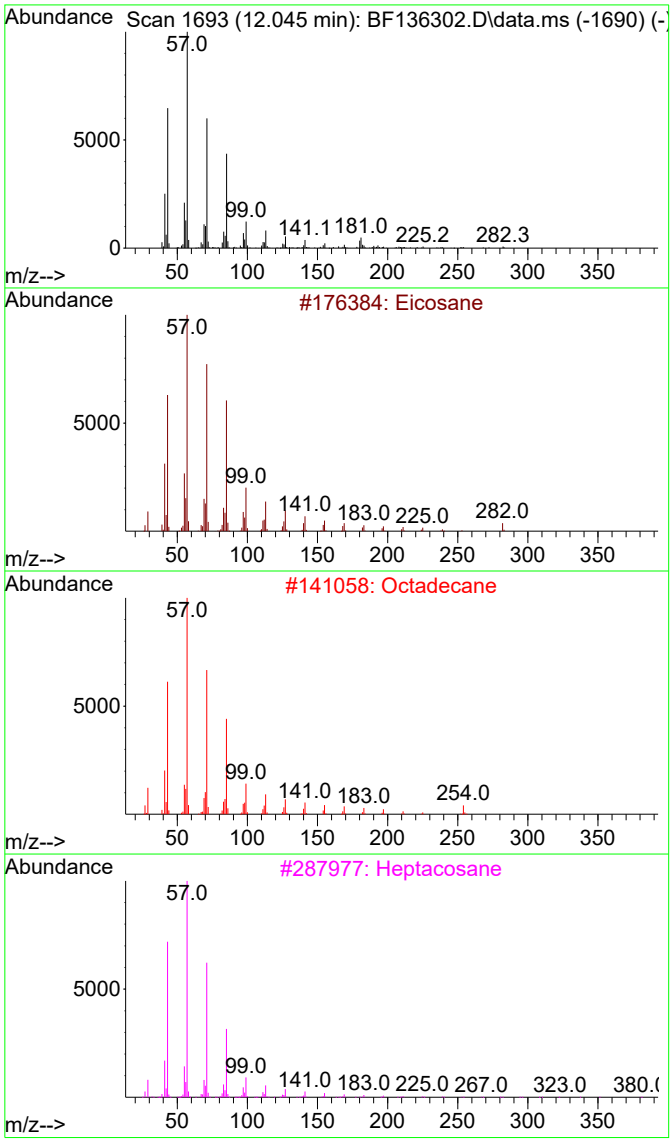
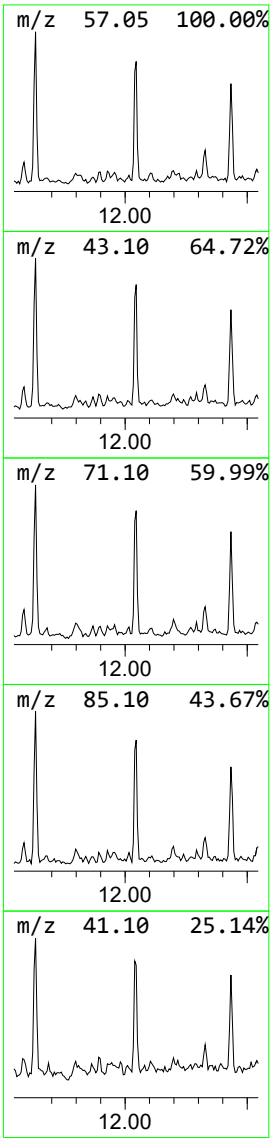
Peak Number 11 Eicosane Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.045	7.62 ng	252657	Phenanthrene-d10	11.333

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Eicosane	282	C20H42	000112-95-8	96
2	Octadecane	254	C18H38	000593-45-3	93
3	Heptacosane	380	C27H56	000593-49-7	90
4	Octacosane	394	C28H58	000630-02-4	90
5	Pentadecane	212	C15H32	000629-62-9	87





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Operator : CG\JU
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Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DUP-03

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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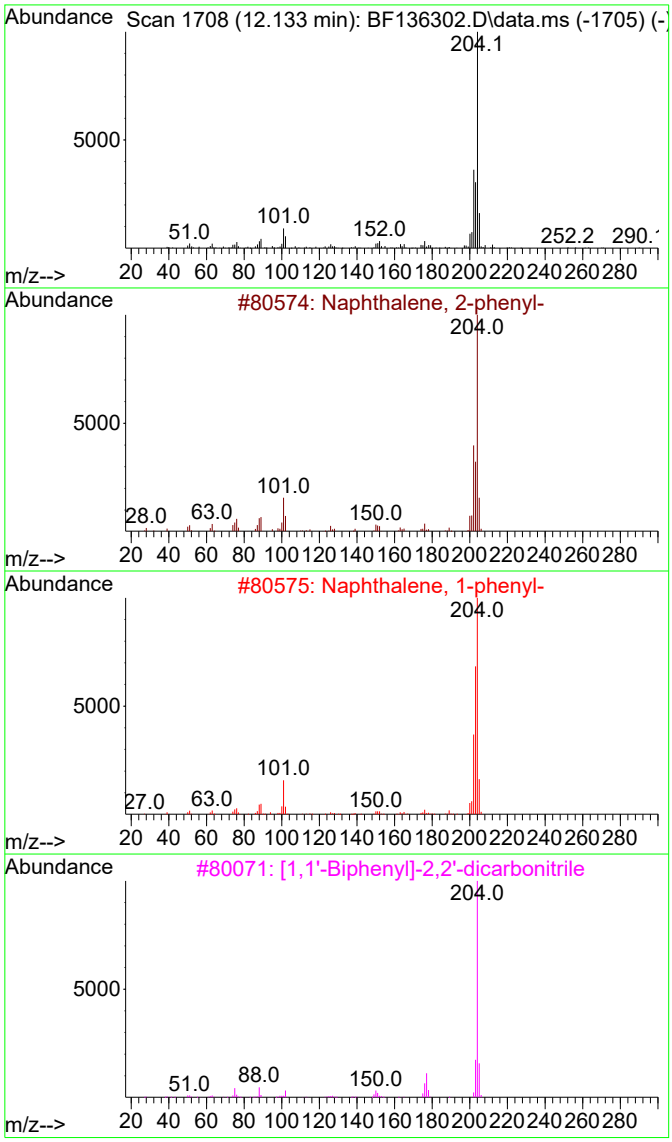
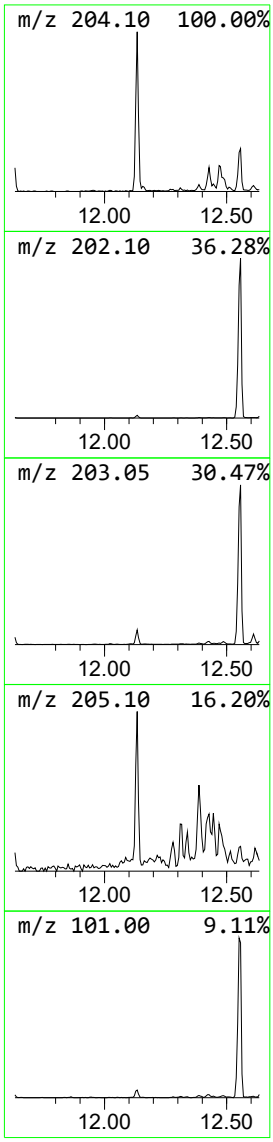
Peak Number 12 Naphthalene, 2-phenyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.133	4.28 ng	141758	Phenanthrene-d10	11.333

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	90
2	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	60
3	[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	52
4	9-Acridinecarbonitrile	204	C14H8N2	005326-19-2	52
5	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	50





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Sample : 05312-02 5X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
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ClientSampleId :
DUP-03

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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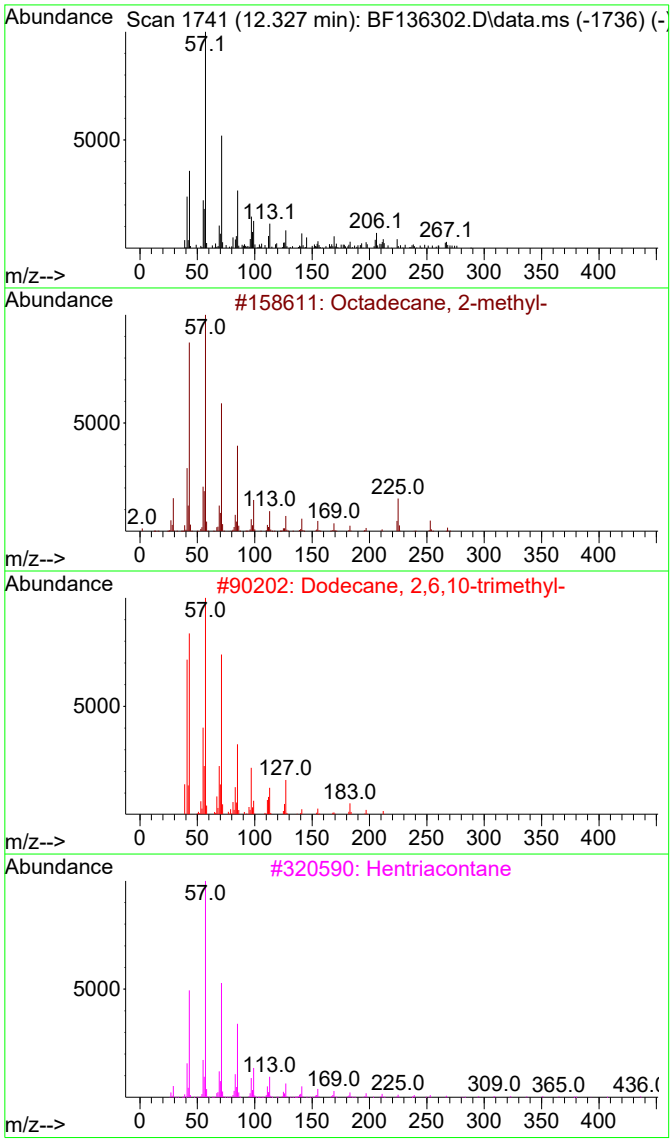
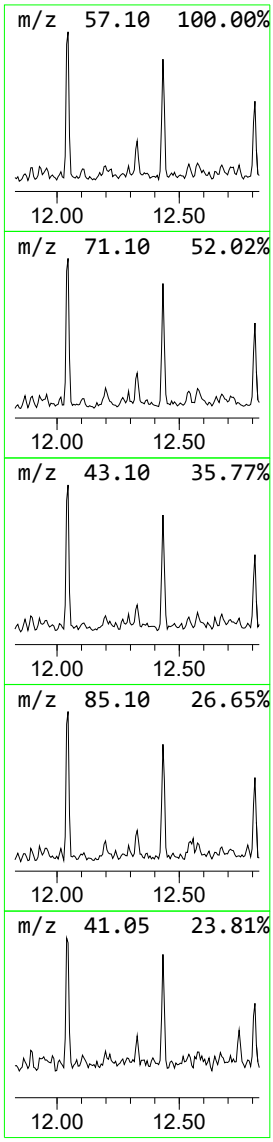
Peak Number 13 Octadecane, 2-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.328	3.32 ng	110040	Phenanthrene-d10	11.333

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecane, 2-methyl-	268	C19H40	001560-88-9	89
2	Dodecane, 2,6,10-trimethyl-	212	C15H32	003891-98-3	87
3	Hentriacontane	437	C31H64	000630-04-6	83
4	Eicosane, 2-methyl-	296	C21H44	001560-84-5	72
5	2-Bromo dodecane	248	C12H25Br	013187-99-0	72





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Sample : 05312-02 5X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DUP-03

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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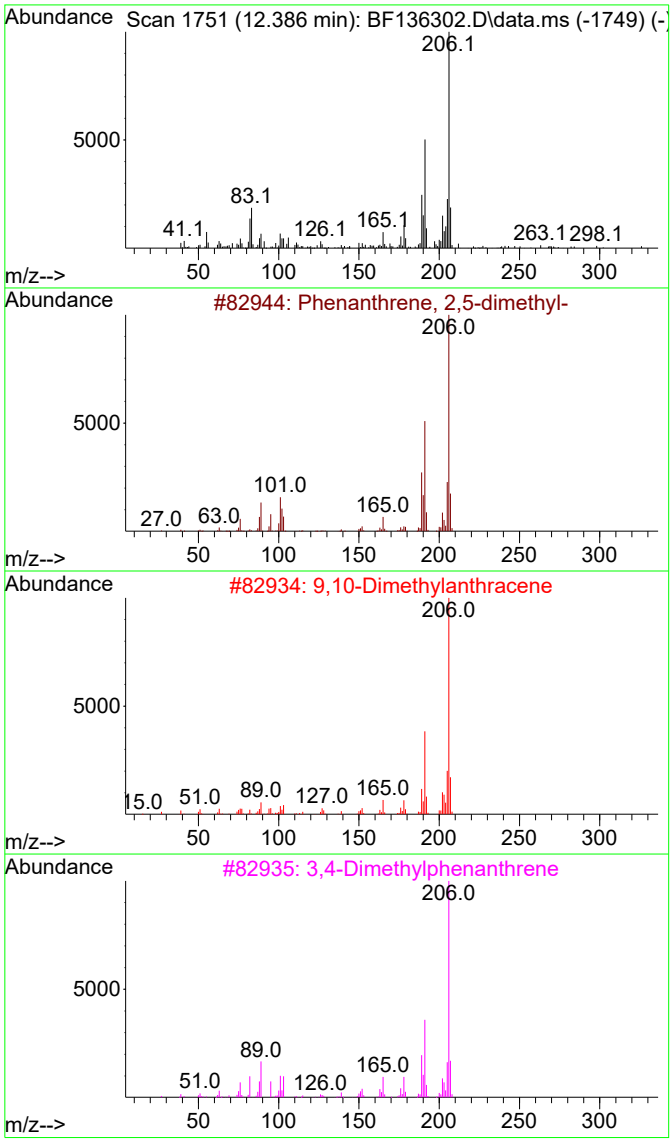
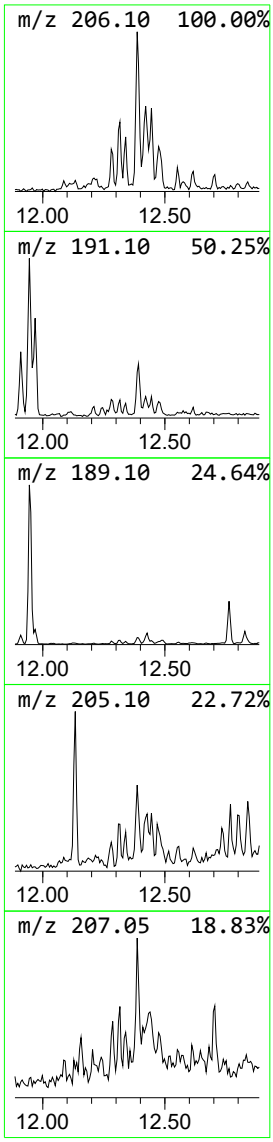
Peak Number 14 Phenanthrene, 2,5-dimethyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.386	2.81 ng	93258	Phenanthrene-d10	11.333

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	95
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	94
3	3,4-Dimethylphenanthrene	206	C16H14	1000452-24-5	93
4	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	91
5	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	87





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Sample : 05312-02 5X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
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ClientSampleId :
DUP-03

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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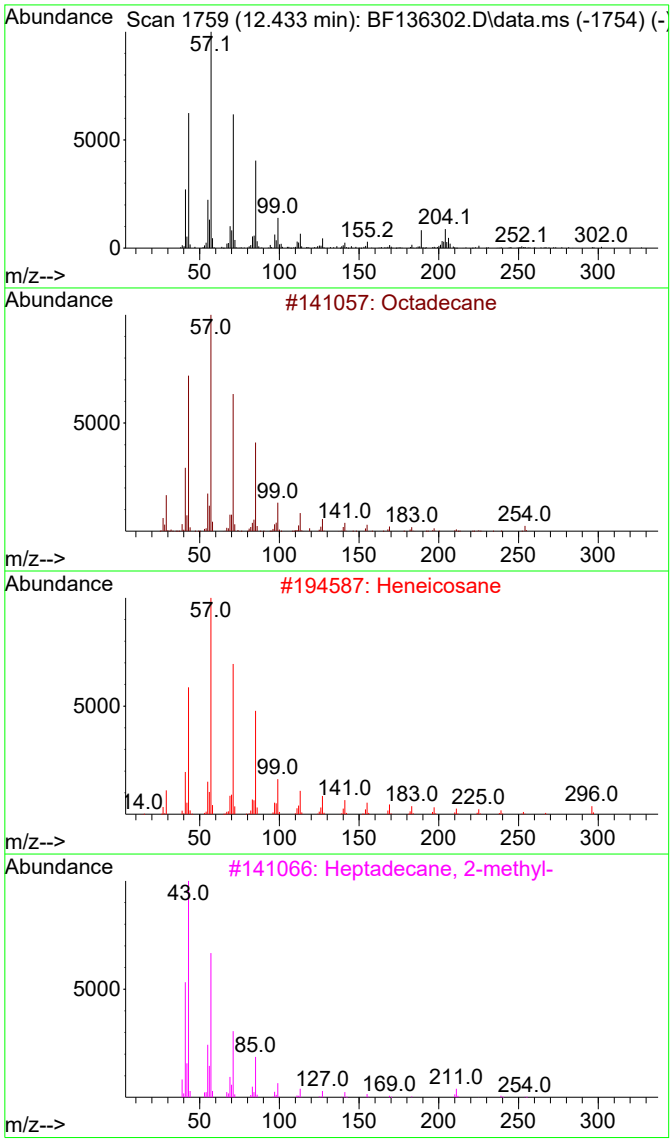
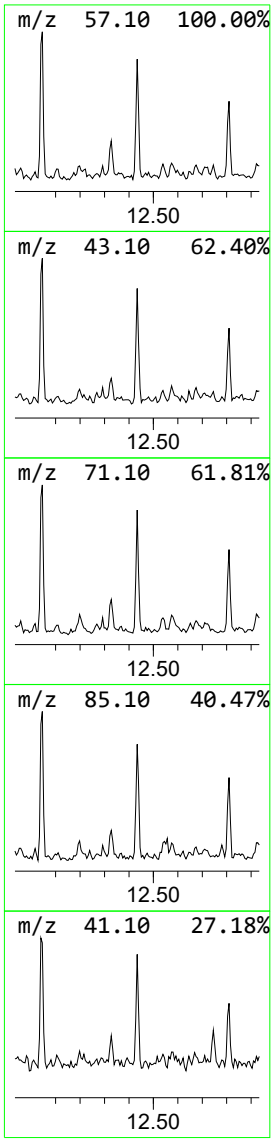
Peak Number 15 Heneicosane Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.433	8.11 ng	268954	Phenanthrene-d10	11.333

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecane	254	C18H38	000593-45-3	95
2	Heneicosane	296	C21H44	000629-94-7	95
3	Heptadecane, 2-methyl-	254	C18H38	001560-89-0	90
4	Heptacosane	380	C27H56	000593-49-7	90
5	Pentadecane	212	C15H32	000629-62-9	87





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Misc :
ALS Vial : 21 Sample Multiplier: 1

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ClientSampleId :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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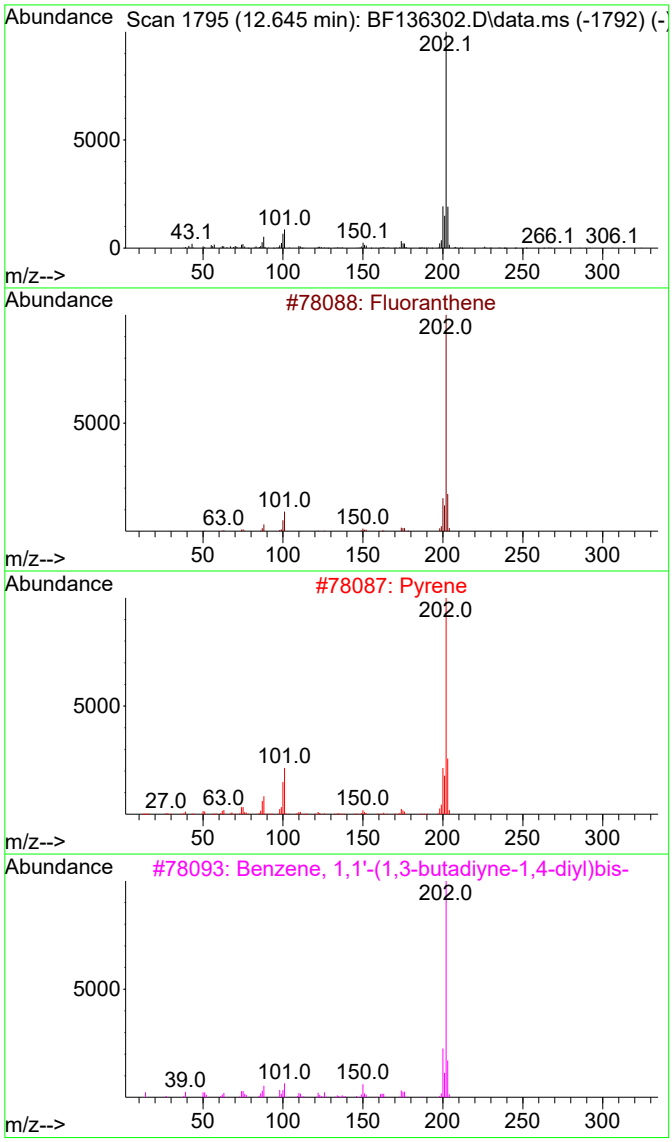
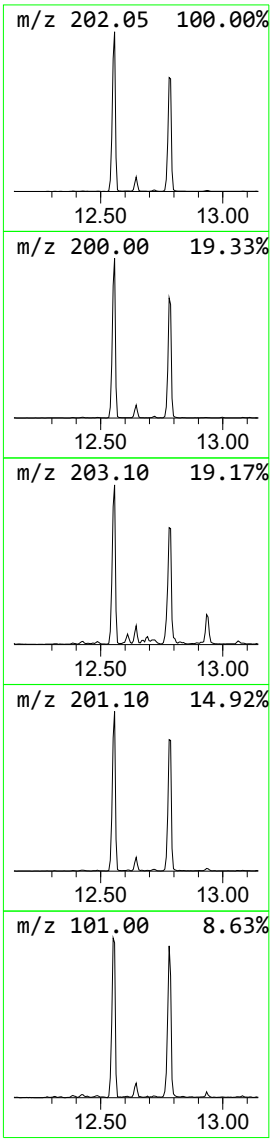
Peak Number 16 Benzene, 1,1'-(1,3-butadiyn... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.645	6.86 ng	227286	Phenanthrene-d10	11.333

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Fluoranthene	202	C16H10	000206-44-0	96
2	Pyrene	202	C16H10	000129-00-0	93
3	Benzene, 1,1'-(1,3-butadiyne-1,4...	202	C16H10	000886-66-8	81
4	Furan-2-one, 2,5-dihydro-5-(4-me...	202	C12H10O3	024962-84-3	40
5	l-Leucine, N-methyl-N-(2-methoxy...	471	C27H53NO5	1000328-55-0	40





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Operator : CG\JU
Sample : 05312-02 5X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DUP-03

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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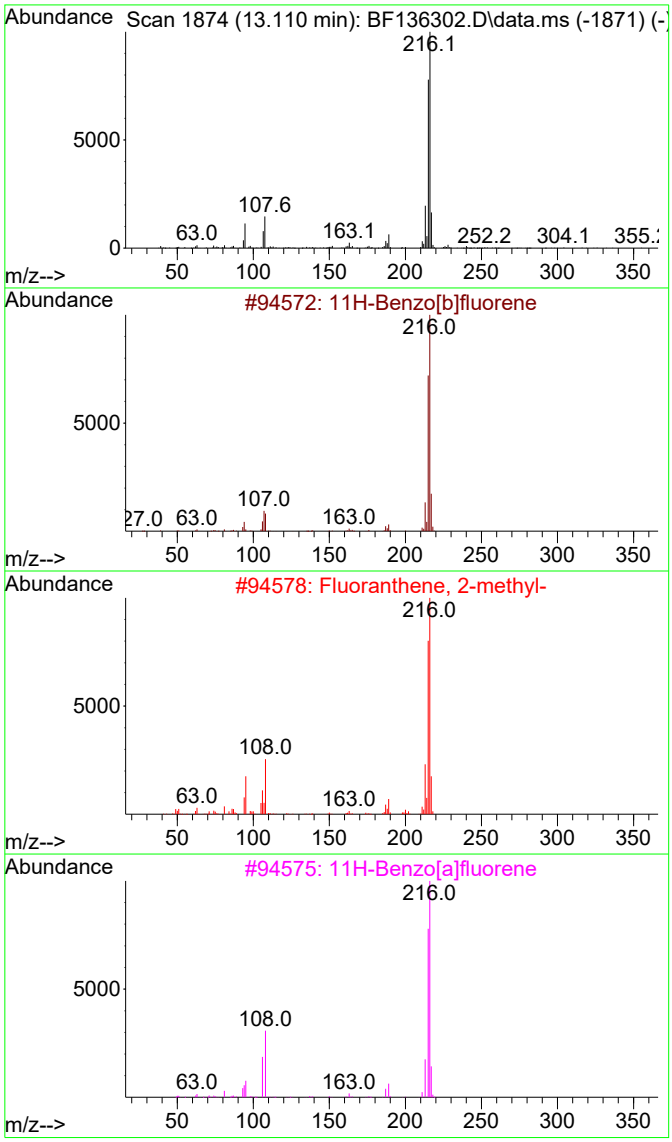
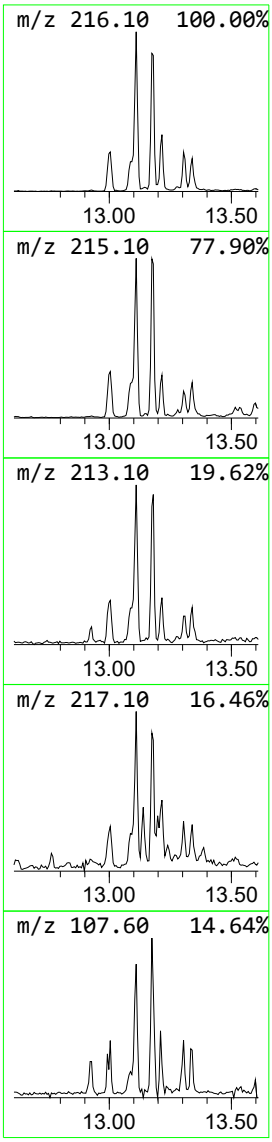
Peak Number 17 11H-Benzo[b]fluorene Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.110	3.95 ng	365743	Chrysene-d12	13.986

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	95
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	94
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	91
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	87
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	87





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112923\
Data File : BF136302.D
Acq On : 30 Nov 2023 01:06
Operator : CG\JU
Sample : 05312-02 5X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DUP-03

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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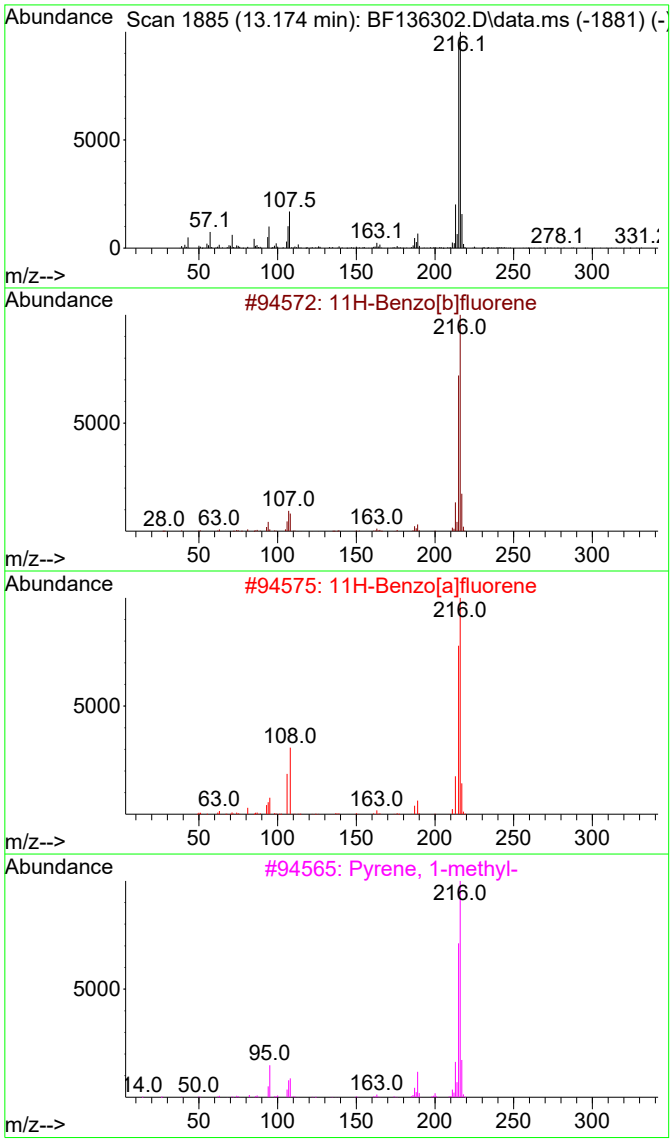
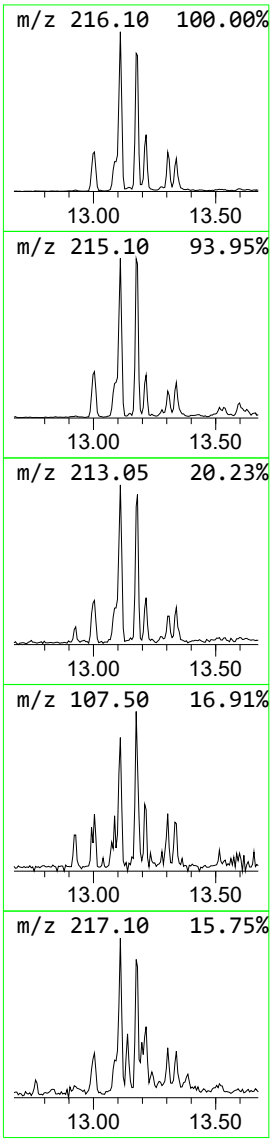
Peak Number 18 11H-Benzo[a]fluorene Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.175	4.38 ng	406027	Chrysene-d12	13.986

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	94
2	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	91
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	87
4	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	74
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	70





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112923\
Data File : BF136302.D
Acq On : 30 Nov 2023 01:06
Operator : CG\JU
Sample : 05312-02 5X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DUP-03

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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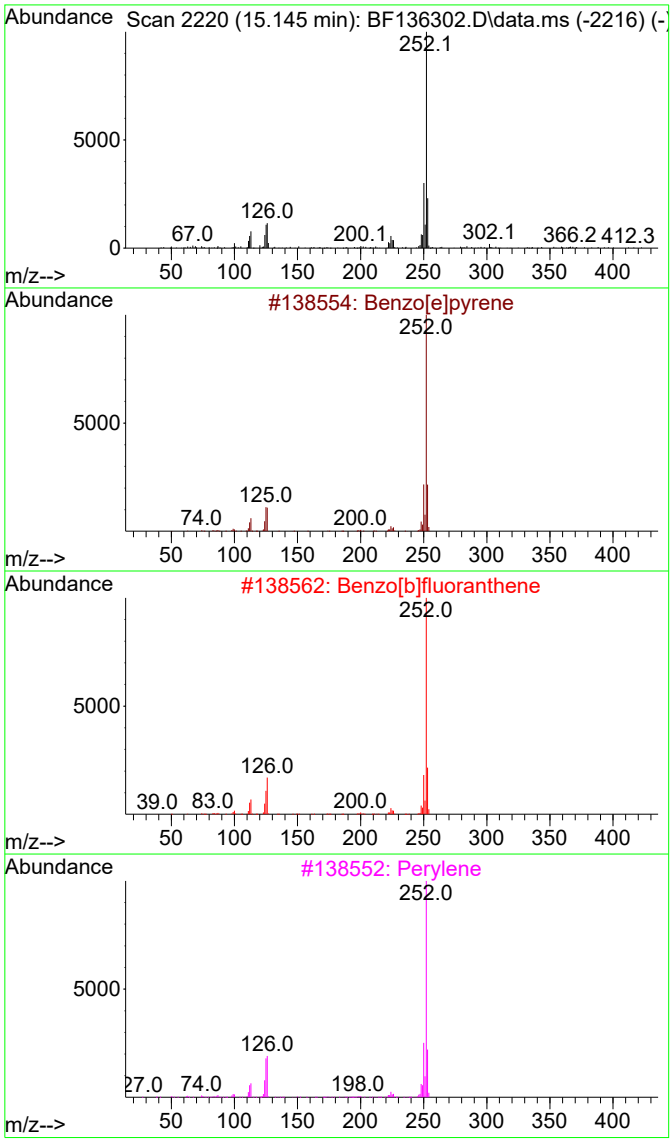
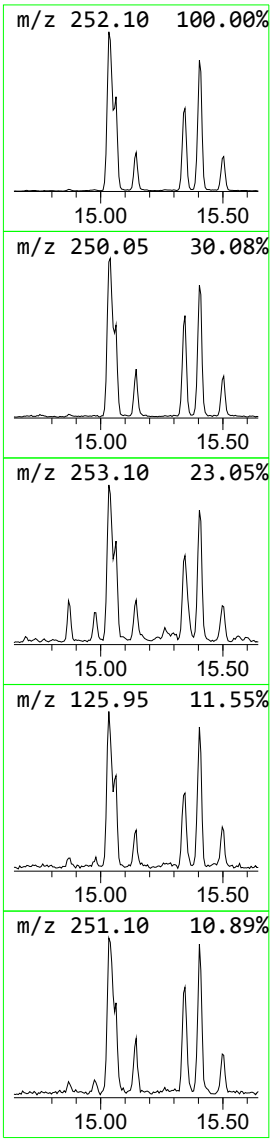
Peak Number 19 Benzo[e]pyrene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.145	8.33 ng	192360	Perylene-d12	15.468

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	91
2	Benzo[b]fluoranthene	252	C20H12	000205-99-2	90
3	Perylene	252	C20H12	000198-55-0	90
4	Benzo[j]fluoranthene	252	C20H12	000205-82-3	90
5	Benzo[a]pyrene	252	C20H12	000050-32-8	90





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112923\
Data File : BF136302.D
Acq On : 30 Nov 2023 01:06
Operator : CG\JU
Sample : 05312-02 5X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DUP-03

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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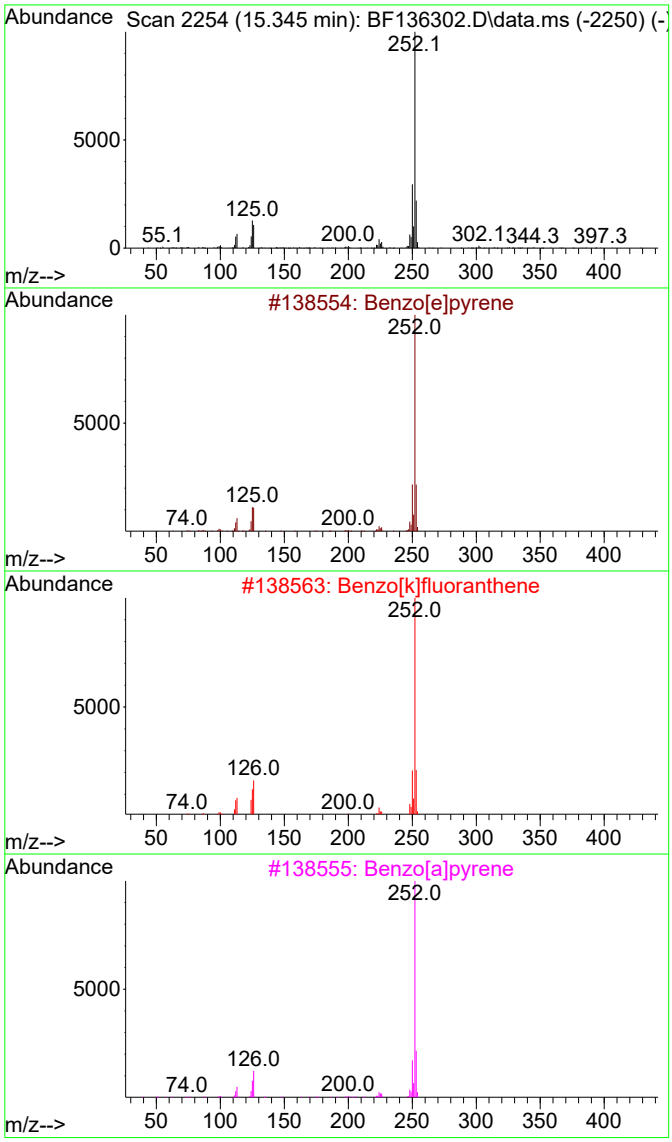
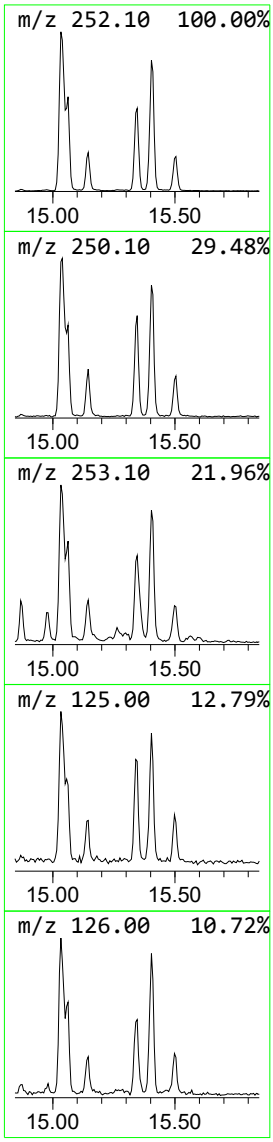
Peak Number 20 Benzo[j]fluoranthene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.345	17.60 ng	406328	Perylene-d12	15.468

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	98
2	Benzo[k]fluoranthene	252	C20H12	000207-08-9	96
3	Benzo[a]pyrene	252	C20H12	000050-32-8	96
4	Benzo[b]fluoranthene	252	C20H12	000205-99-2	95
5	Benzo[j]fluoranthene	252	C20H12	000205-82-3	95





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112923\
Data File : BF136302.D
Acq On : 30 Nov 2023 01:06
Operator : CG\JU
Sample : 05312-02 5X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DUP-03

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Hexadecane	10.275	3.9	ng	136388	3	9.839	695897	20.0
Tridecane	10.751	11.2	ng	369684	4	11.333	662897	20.0
Octadecane	11.204	6.9	ng	230185	4	11.333	662897	20.0
Dibenzothiophene	11.227	7.5	ng	248752	4	11.333	662897	20.0
Pentadecane	11.633	9.9	ng	328428	4	11.333	662897	20.0
Phenanthrene, 2...	11.833	5.5	ng	183720	4	11.333	662897	20.0
Anthracene, 1-m...	11.863	7.4	ng	246488	4	11.333	662897	20.0
1H-Cyclopropa[l...	11.910	3.1	ng	101329	4	11.333	662897	20.0
4H-Cyclopenta[d...	11.945	16.1	ng	533993	4	11.333	662897	20.0
1H-Indene, 2-ph...	11.969	3.0	ng	99876	4	11.333	662897	20.0
Eicosane	12.045	7.6	ng	252657	4	11.333	662897	20.0
Naphthalene, 2-...	12.133	4.3	ng	141758	4	11.333	662897	20.0
Octadecane, 2-m...	12.328	3.3	ng	110040	4	11.333	662897	20.0
Phenanthrene, 2...	12.386	2.8	ng	93258	4	11.333	662897	20.0
Heneicosane	12.433	8.1	ng	268954	4	11.333	662897	20.0
Benzene, 1,1'-(...	12.645	6.9	ng	227286	4	11.333	662897	20.0
11H-Benzo[b]flu...	13.110	4.0	ng	365743	5	13.986	1853950	20.0
11H-Benzo[a]flu...	13.175	4.4	ng	406027	5	13.986	1853950	20.0
Benzo[e]pyrene	15.145	8.3	ng	192360	6	15.468	461758	20.0
Benzo[j]fluoran...	15.345	17.6	ng	406328	6	15.468	461758	20.0